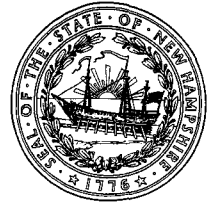




The State of New Hampshire
Department of Environmental Services



Michael P. Nolin
Commissioner

May 20, 2005

LETTER OF DEFICIENCY #WSEB 05-057
Certified Mail # 7099 3400 0003 0690 9854

Richard Robie
Bethlehem Village District
PO Box 667
359 Maple Street
Bethlehem, NH 03574-0667

Subject: Bethlehem – Public Water System: Bethlehem Village District (EPA# 0241010)

Dear Mr. Robie:

The records of the NH Department of Environmental Services (DES) show that the Bethlehem Village District (the District) water system is classified as a public water system (PWS), as defined by RSA 485:1-a. A PWS is defined as any water system supplying 15 or more services, or 25 or more people for 60 or more days per year. The District injects sodium hypochlorite into the drinking water as a disinfectant to provide bacteriological protection to consumers. As a result, the District is required to submit water samples for Total Trihalomethanes (TTHM) analysis to the State laboratory or a State-certified laboratory in compliance with NH Administrative Rule Env-Ws 382, *Disinfectant/Disinfection Byproducts Rule*.

Pursuant to Env-Ws 317.70, the maximum contaminant level (MCL) for TTHMs is 0.080 mg/L. Pursuant to Env-Ws 382.16, compliance with the MCL for TTHMs is determined by calculating the running annual average, computed quarterly, of quarterly averages of all samples collected. The system's running annual average for TTHMs was 0.082 mg/L for both the fourth quarter of 2004 (Q4-04) and Q1-05. Thus the water system incurred TTHM MCL violations for both quarters.

DES believes the MCL violations can be corrected and future violations prevented by taking the following actions:

1. **Immediately** provide public notice of the Q1-05 TTHM MCL violation. On April 13, 2005, the District was issued a Notice of Violation for this exceedance that noted public notice was required within 30 days of learning of the violation. To date, proof of public notice for this violation has not been received by DES. DES acknowledges receipt of public notice for the Q4-04 TTHM MCL violation; and
2. **Within 10 days of providing public notice** of the Q1-05 TTHM MCL violation, submit proof of public notice to DES; and
3. **By June 20, 2005**, retain the services of a qualified consultant to address the water quality violations and notify DES, in writing, of the name of the consultant hired. The consultant should review all existing water quality data prior to making recommendations for correcting the MCL violations; and
4. **By August 22, 2005**, submit to DES the consultant's report, which shall contain the consultant's evaluation of feasible options, cost estimates, justification and identification of which option the owner has selected to implement, along with an implementation schedule and final correction date to resolve the MCL violations. A maintenance schedule must be included if treatment is proposed; and

5. All engineering documents for the design of the selected option must be submitted and approved by DES prior to commencement of any work on the system. Note that engineering plans for systems serving more than 50 service connections or 20,000 gpd must be stamped by a professional engineer; and
6. By the DES-approved correction date, take the corrective action as approved by DES. Notify DES in writing upon completion of the action(s) taken.

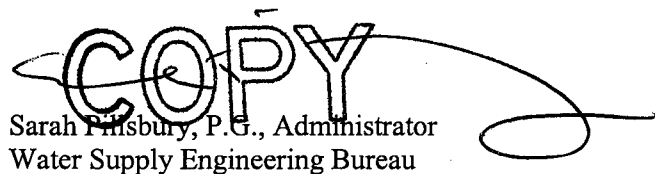
In the event compliance is not achieved within this period. DES may initiate formal action against the District, including issuing an order requiring the deficiencies to be corrected, initiating an administrative fine proceeding, and/or referring the matter to the NH Department of Justice for imposition of appropriate penalties.

**All information as requested above should be addressed as follows
or faxed to (603) 271-5171:**

Alan Leach
Department of Environmental Services
Water Supply Engineering Bureau
29 Hazen Drive, PO Box 95
Concord, NH 03302-0095

Please be reminded that proposed treatment alternatives should take into consideration all water quality parameters as well as current and future quantity needs. In addition to your operator, assistance may be available to you through a variety of sources. DES Staff member Richard Skarinka, P.E., may be able to answer questions concerning treatment for TTHMs. He may be reached at (603) 271-2948 or via email at rskarinka@des.state.nh.us. Also, financial, managerial and technical assistance is available through either of two government funded technical assistance providers. These are NH Rural Water Association (1-800-556-3792) and RCAP Solutions, Inc. (1-800-488-1969). Health related questions may be directed to Dave Gordon of the DES Bureau of Environmental and Occupational Health whose number is (603) 271-4608. If you have any questions regarding this letter, please contact Alan Leach at (603) 271-2854 or by email at aleach@des.state.nh.us.

Sincerely,


Sarah Pilsbury, P.E., Administrator
Water Supply Engineering Bureau

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cc: Gretchen R. Hamel, DES Legal Unit Administrator ✓
Stan Borkowski, Bethlehem Health Officer
Terry Welch, Primary Operator
EPA, Region 1

cc: Rick Skarinka, DES
Dave Gordon, DES BEOH
John Lukin, NHRWA
Robert Morancy, RCAP Solutions, Inc.